

## ABSTRACT OF THE DISCLOSURE

The disclosed nucleic acid primer sets, used in combination with quantitative amplification (PCR) of tissue cDNA, can

5 indicate the presence of specific proteases in a tissue sample.

Specifically, the present invention relates to expression of hepsin protease. The detected proteases are themselves specifically

overexpressed in certain cancers, and the presence of their genetic precursors may serve for early detection of associated ovarian and

10 other malignancies, and for the design of interactive therapies for cancer treatment.